Quality&**Precise**

MAXWELLON MX198X

100kHz to 18GHz

EMC Test Power Amplifier

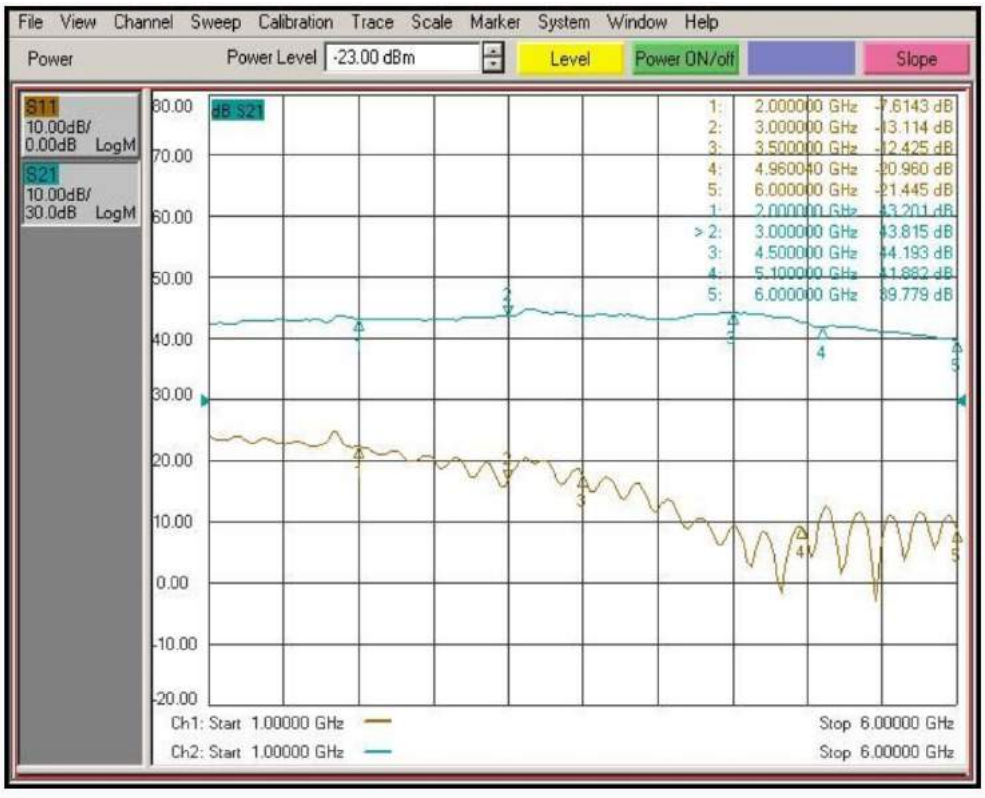
2023

Maxwellon

MX198X EMC Test Power Amplifier" utilizes GaN power transistors and wideband power matching synthesis technology. The instrument features a single knob for controlling power output, and the front panel includes a 3.5-inch high-brightness LCD screen indicating the output power value. Due to the implementation of Automatic Level Control (ALC) technology, the output power remains nearly constant even when there are variations in the input power. This ALC technology also contributes to a very flat frequency response over a frequency range greater than multiple octaves. Multiple fans on the rear panel ensure continuous and reliable operation of the instrument.

Key Feature

- **GaN Power Transistors:** The use of Gallium Nitride (GaN) power transistors enhances the amplifier's performance, providing efficient and high-power amplification.
- **Wideband Power Matching Synthesis Technology:** This technology allows the amplifier to cover a broad frequency range while maintaining optimal power matching, ensuring consistent performance across different frequencies.
- **Single-Knob Control:** The instrument is designed with user-friendly controls, including a single knob for adjusting power output. This simplifies operation and enhances ease of use.
- **ALC Technology**: Automatic Level Control (ALC) technology ensures that the output power remains nearly constant, even in the presence of variations in input power. This contributes to stable and reliable performance.
- **High-Brightness LCD Screen**: The front panel features a 3.5-inch high-brightness LCD screen, providing clear and easy-to-read information about the output power.
- **Flat Frequency Response:** The ALC technology contributes to a very flat amplitude-frequency response over a wide frequency range, making the amplifier suitable for applications that span multiple octaves.
- **Reliable Cooling System**: The presence of multiple fans on the rear panel ensures effective cooling, allowing the amplifier to operate continuously and reliably.
- **Versatile Applications:** The amplifier is designed for applications in Electromagnetic Compatibility (EMC) testing, where its wide frequency coverage and stable performance are critical.



Specification

Model	Min	Max	Gain (dB)	Output Power (W)	Gain Flatness (±dB)	VSWR	Connector	Operating Voltage
MX1980-100W	100KHz	100MHz	50	100W	2.0	2.0	N-K	220V
MX1980-20W	100KHz	200MHz	40	20W	2.0	2.0	N-K	220V
MX1980-50W	20MHz	512MHz	50	50W	2.0	2.0	SMA-N	220V
MX1981-20W	20MHz	1GHz	50	20W	2.0	2.0	SMA-K	110/220V
MX1981-50W	20MHz	1GHz	50	50W	2.5	2.0	SMA-N	110/220V
MX1981-100W	20MHz	1GHz	50	100W	2.5	2.0	SMA-N	110/220V
MX1982-20W	20MHz	2.5GHz	50	20W	2.0	2.0	SMA-N	110/220V
MX1982-50W	20MHz	2.5GHz	50	50W	2.5	2.0	SMA-N	110/220V
MX1983-20W	800MHz	3GHz	50	20W	2.0	2.0	SMA-N	110/220V
MX1984-20W	20MHz	6GHz	50	20W	2.5	2.0	SMA-N	220V
MX1984-20W	2GHz	6GHz	50	20W	2.5	2.0	SMA-N	110/220V
MX1985-20W	8GHz	12GHz	50	20W	2.5	2.0	SMA-N	220V
MX1986-10W	6GHz	18GHz	40	10W	2.5	2.0	SMA-N	220V
MX1986-20W	6GHz	18GHz	40	20W	2.5	2.0	SMA-N	220V

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